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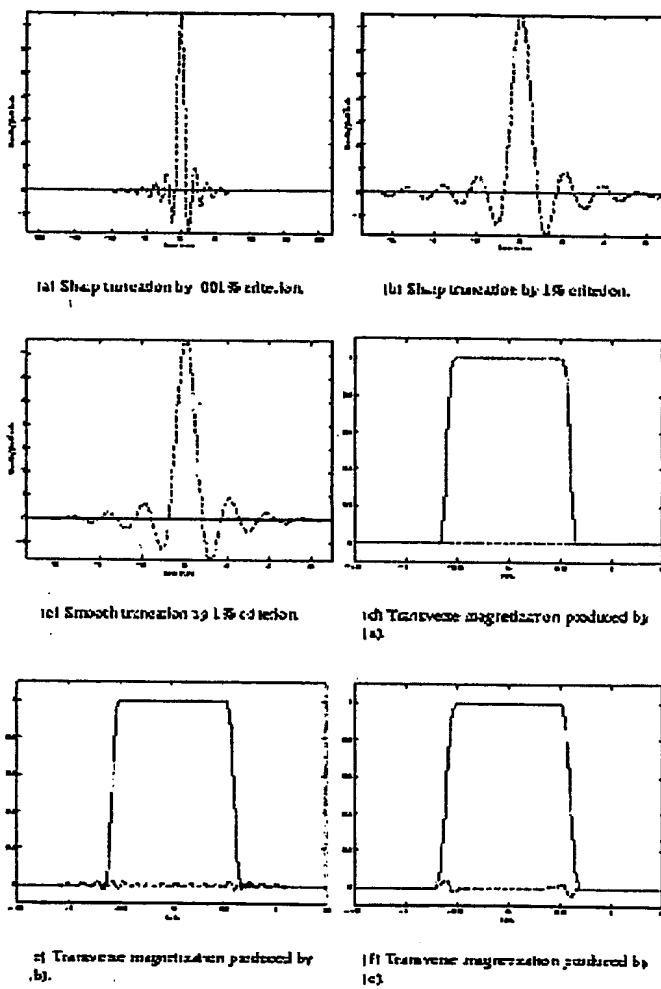
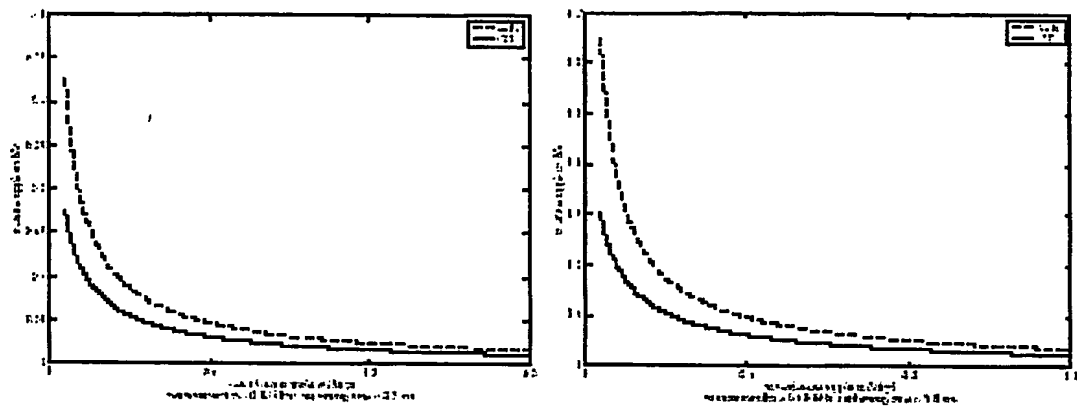


FIGURE 1

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(a) Transition width = 0.3 KHz,
rephasing time = 2.0 ms

(b) Transition width = 0.1 KHz,
rephasing time = 5.0 ms

FIGURE 2

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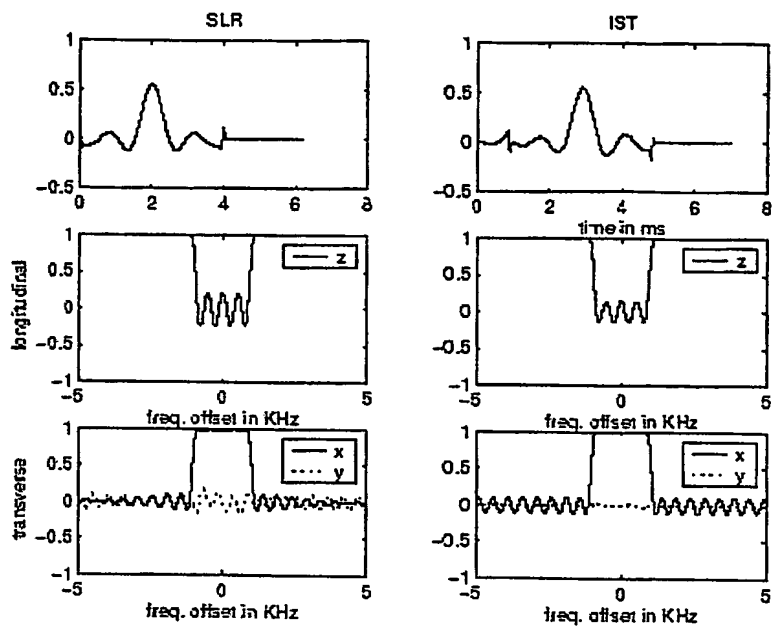


FIGURE 3(a)

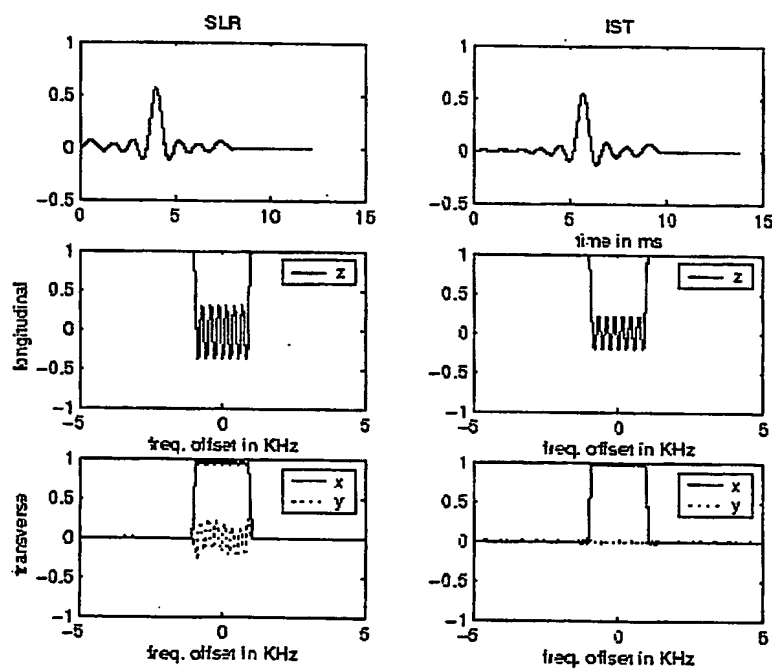
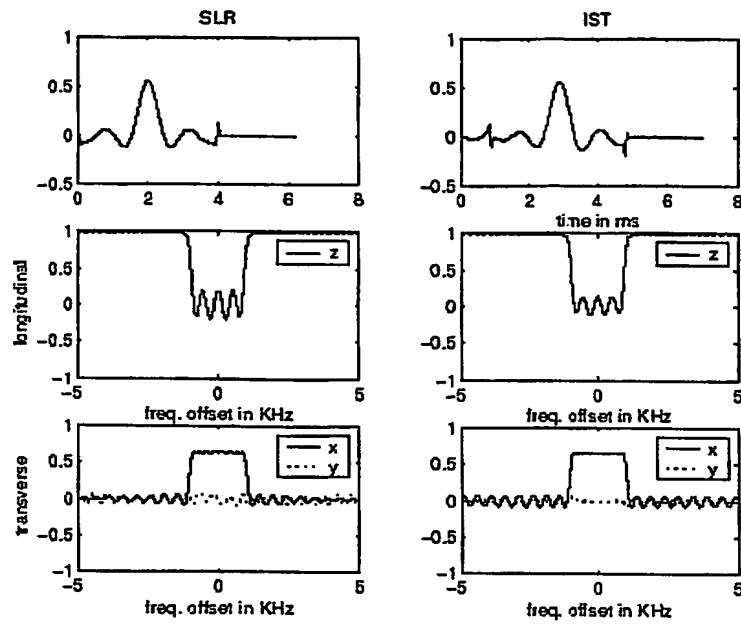
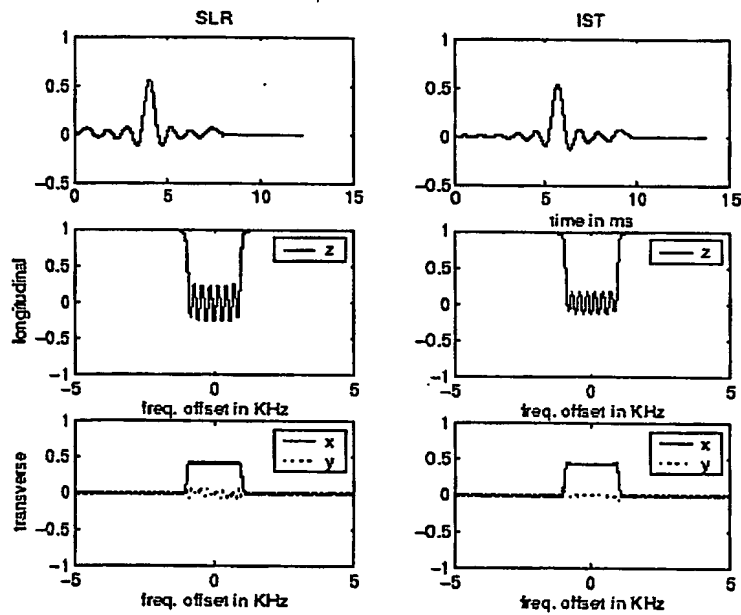


FIGURE 3(b)

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(a) $T_2 = 10$ ms for a 90° pulse with 2 ms rephasing time, $\delta_2 = 0.1$ and 0.2 KHz transition width.



(b) $T_2 = 10$ ms for a 90° pulse with 4 ms rephasing time, $\delta_2 = 0.01$ and 0.15 KHz transition width.

FIGURE 4

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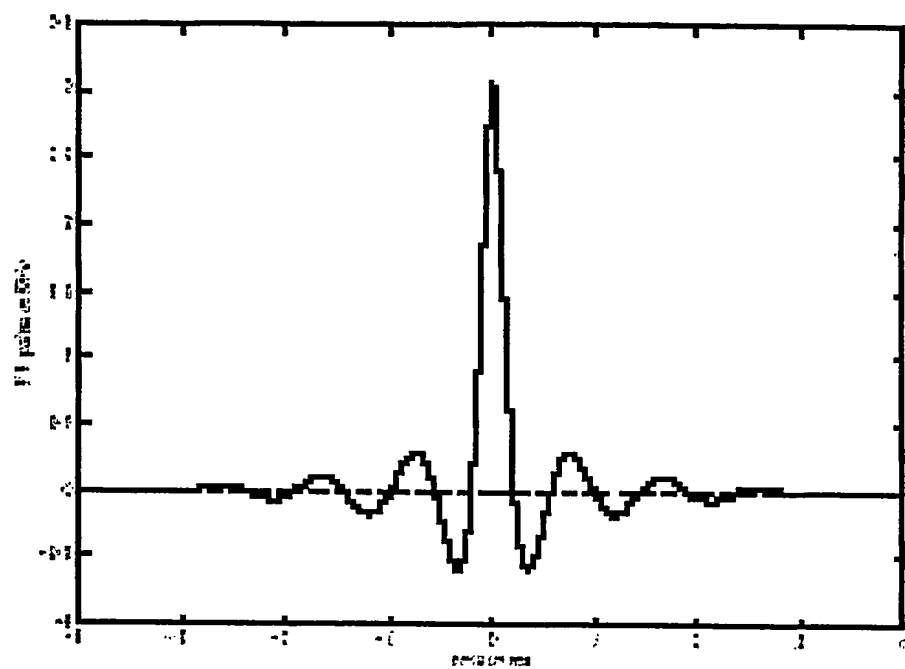


FIGURE 5(a)

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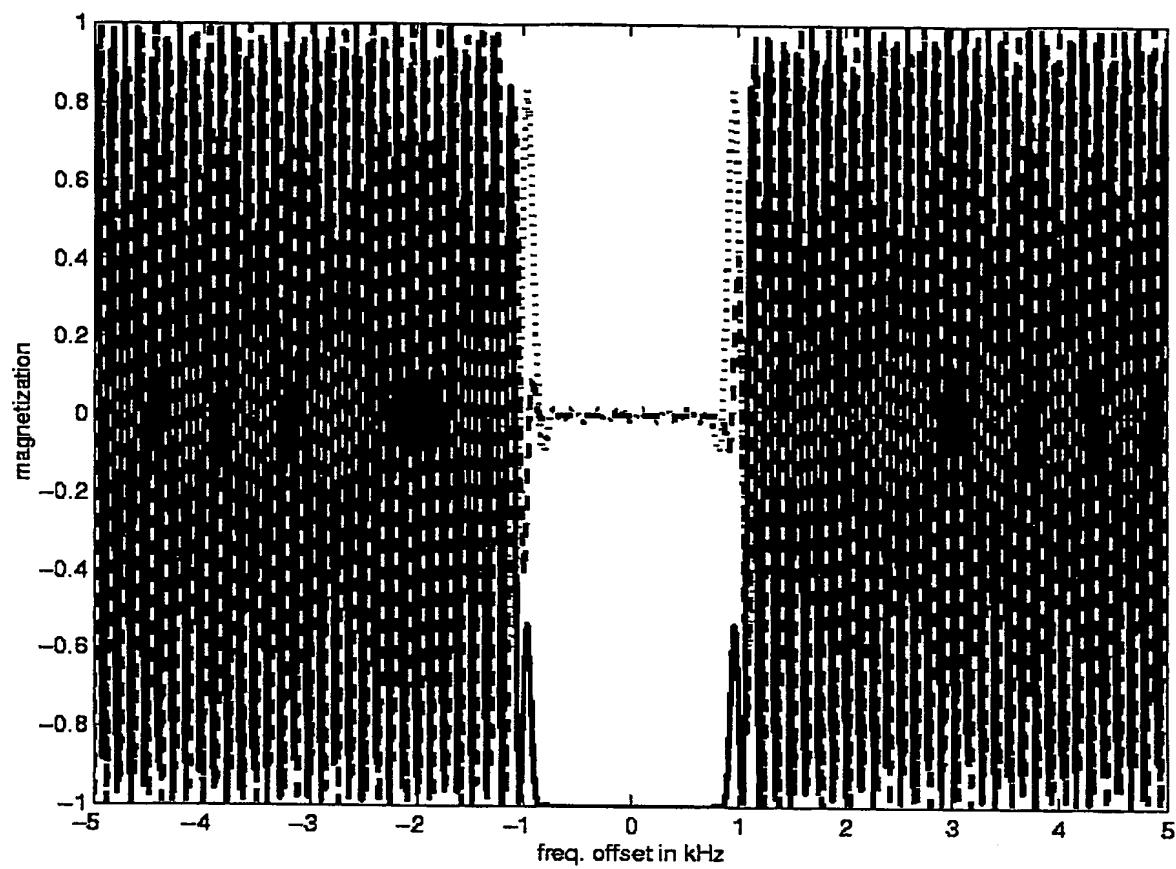


FIGURE 5(b)

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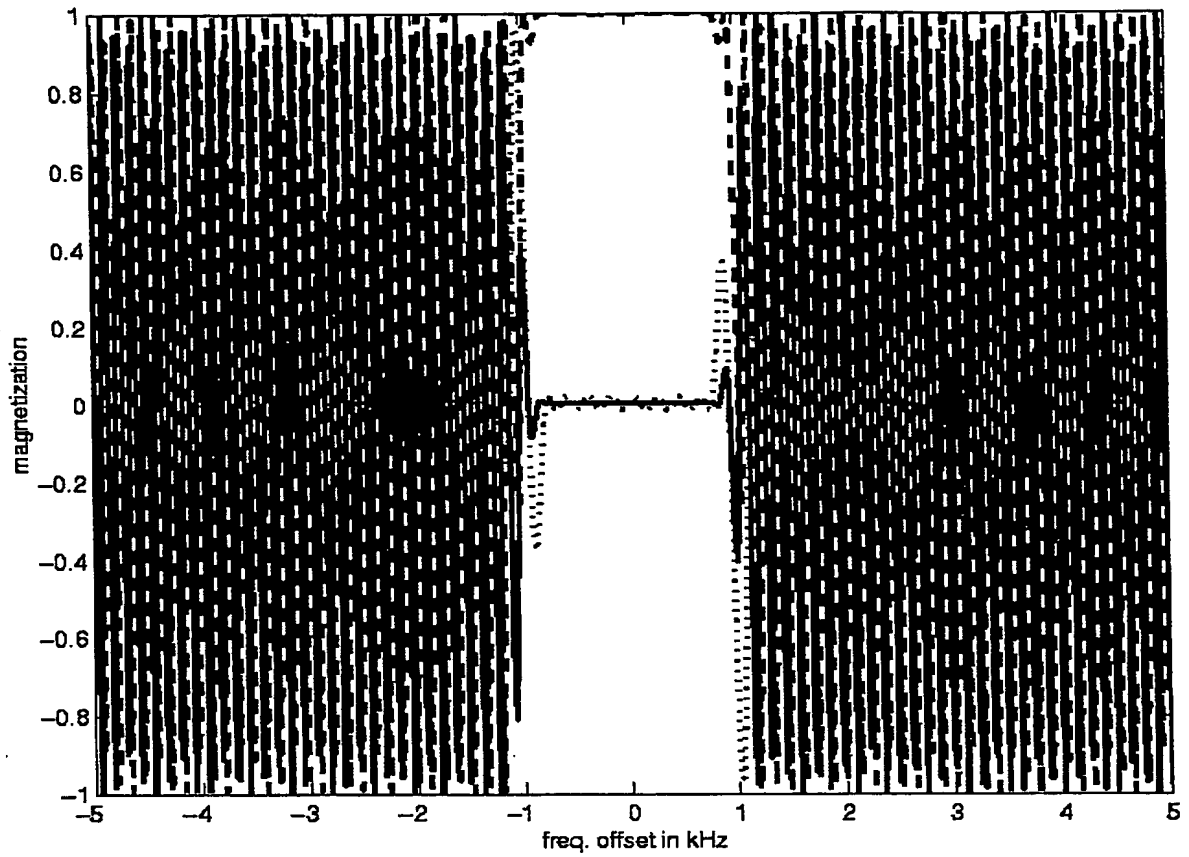


FIGURE 5(c)

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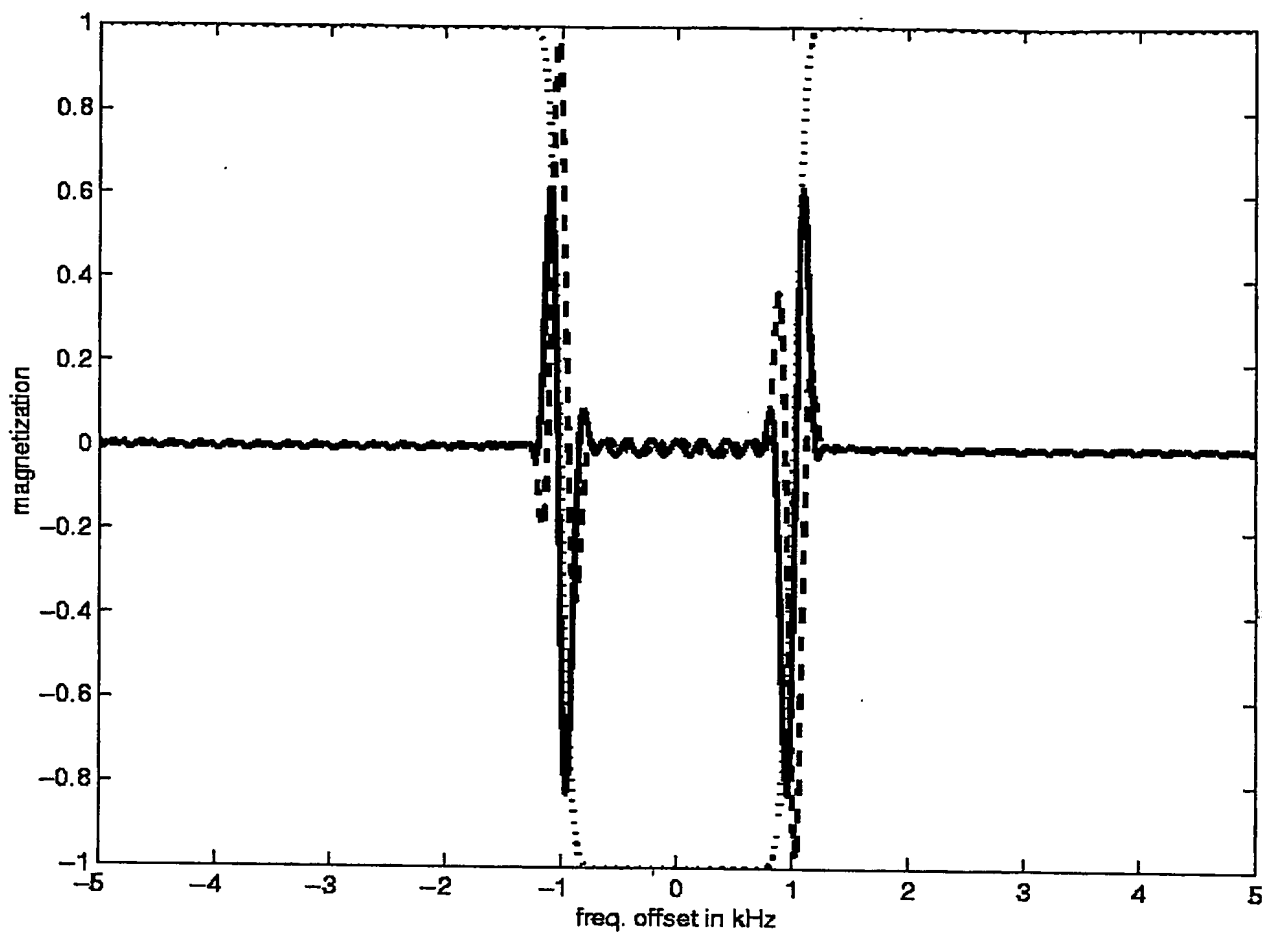


FIGURE 5(d)

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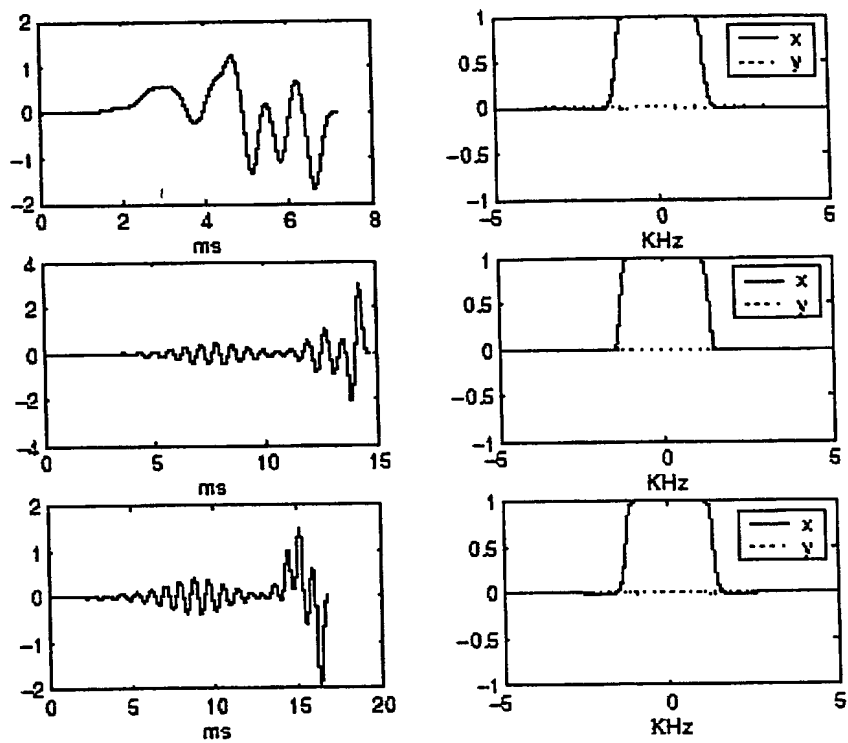


FIGURE 6

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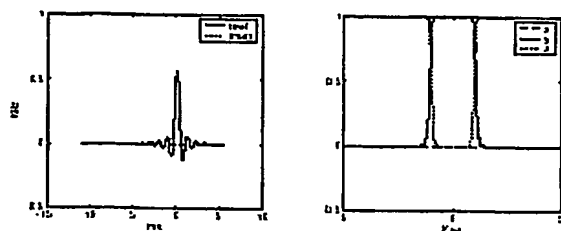
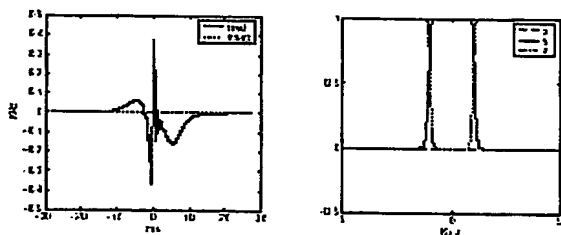
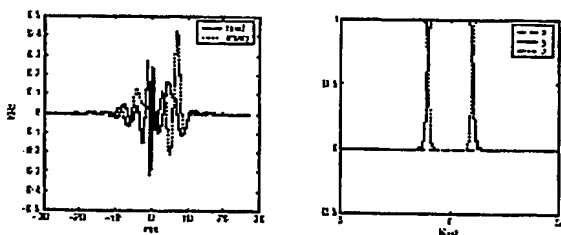
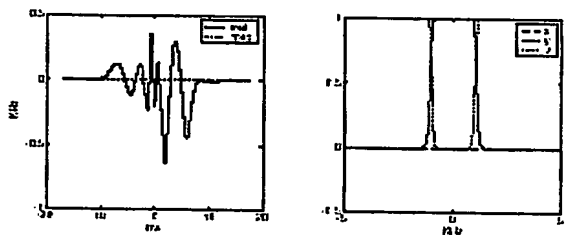
(a) The minimum energy pulse with magnetization profile M .(b) The pulse with magnetization profile M , and a bound state at $0.5i$ with norming constant 1.0.(c) The pulse with magnetization profile M , and bound states at $0.5i + 1.4i$ and $1.0i - 1.0i$, with norming constants: 1, and -10 .(d) The pulse with magnetization profile M , and bound states at $i - 1.1i$ and $i + 1.1i$, and norming constants 1.2, and 1.

FIGURE 7

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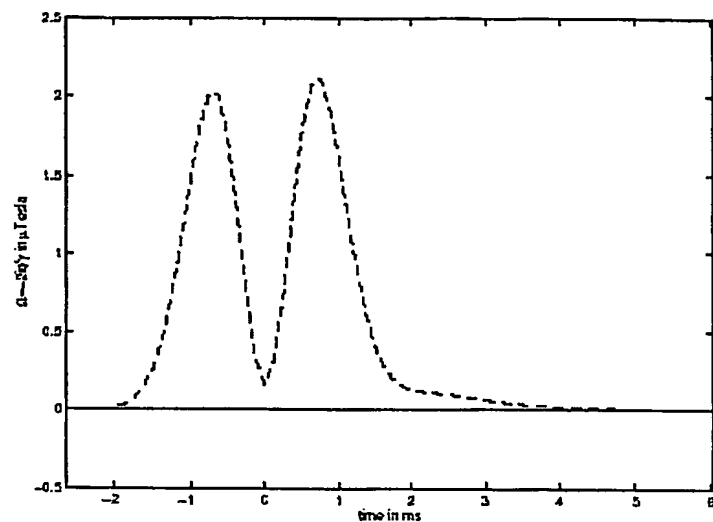


FIGURE 8 (a) Minimum energy pulse.

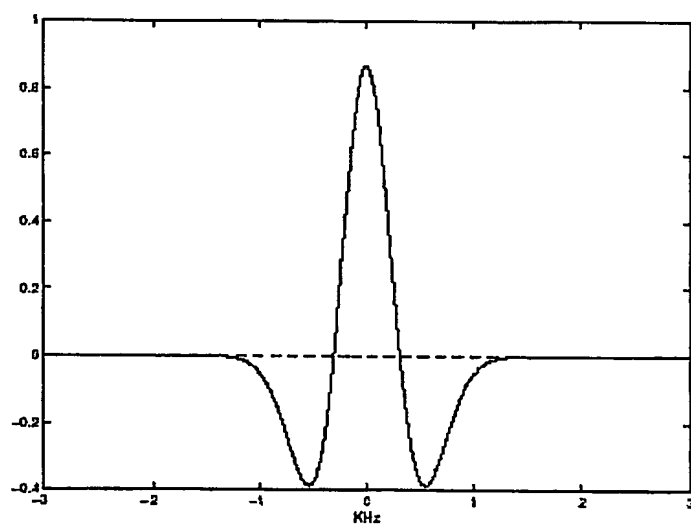


FIGURE 8(b) Transverse magnetization profile.